			PCT/AU2004/	001675
Α.	CLASSIFICATION OF SUBJECT MATTER			
Int. Cl. 7:	C12N 15/24, C12N 15/38, C12Q 1/68	•	•	•
According to I	nternational Patent Classification (IPC) or to both n	ational classification and IPC	·	· ·
В.	FIELDS SEARCHED			
1	mentation searched (classification system followed by classification syste	ssification symbols)		
	searched other than minimum documentation to the exten	nt that such documents are included	d in the fields search	ed
	base consulted during the international search (name of displayers, MEDLINE (IL-10, latent, virus)	ata base and, where practicable, se	arch terms used)	
GENEBANK	C, DGENE (SEQ ID NO: 1, SEQ ID NO 10)			
C.	DOCUMENTS CONSIDERED TO BE RELEVANT	•	•	
Category*	Citation of document, with indication, where appro	opriate, of the relevant passages	S	Relevant to claim No.
X	Jenkins, C. et al (2002) "Human cytomegalovirus UL111.5A-region transcripts are expressed during both experimental and natural latent infection of myeloid cells" 3rd College of Health Sciences and Medical Foundation Research Conference: From Cell to Society 3, 18-SEPT-2002 to 19-SEPT 2002, Blue mountains, Australia, e-poster/mini-poster number 22-9.			1 to 10, 13 to 53
X ·	Xu, Z-G et al (2001) "The latency pattern of 1 10 expression in cutaneous natural killer/T-ce 84(7): 920-925. (The whole document)	ell lymphomas" <i>British Jour</i>	nal of Cancer	1, 3-6, 8-10, and 13-53
X	Miyazaki, I et al (1993) "Viral Interleukin 10 Growth Transformation by Epstein-Barr Viru 187: 439-447.			1, 3-6, 8-10, 13-53.
X F	urther documents are listed in the continuation	of Box C X See pa	tent family anne	×
"A" documen not consi	idered to be of particular relevance con	er document published after the internation but cited to userlying the invention	understand the principl	e or theory
•		cument of particular relevance; the claic cannot be considered to involve an involve and i		
or which another o	is cited to establish the publication date of inv	cument of particular relevance; the clais olve an inventive step when the documents, such combination being	nent is combined with	one or more other
or other i	" <i>KI</i> " doc	cument member of the same patent fan	ni <b>l</b> y	
	al completion of the international search	Date of mailing of the internation	_	
12 January 2		2 FEB	2005	
AUSTRALIAN PO BOX 200, V	ing address of the ISA/AU  PATENT OFFICE  WODEN ACT 2606, AUSTRALIA  pct@ipaustralia.gov.au  (02) 6285 3929	Authorized officer  ANDREW ACHILLEOS  Telephone No: (02) 6283 228		

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001675

Ċategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
P/X	Jenkins, C. et al (2004) "A Novel Transcript with Homology to Human Interleukin-10 Is Expressed during Latent Human Cytomegalovirus Infection" Journal of Virology 78(3): 1440-1447.		
•		·	
		,	
•			

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001675

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This internations:	ational search report has not been established in respect of certain claims under Article 17(2)(a) for the following
1.	Claims Nos.:
	because they relate to subject matter not required to be searched by this Authority, namely:
·	
2. X	Claims Nos.: 11, and 12
	because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
	The potential vIL-10 ligands encompassed by these claims make up such a large number of compounds that it is not economically viable to search these claims.
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. II	I Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
	ational Searching Authority found multiple inventions in this international application, as follows: ached Supplemental Box "Continuation of Box III" below
	· · · · · · · · · · · · · · · · · · ·
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. X	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
·	
Remark o	The additional search fees were accompanied by the applicant's protest.
·	No protest accompanied the payment of additional search fees.

### INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001675

## Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

### Continuation of Box III:

The feature common to all the claims is: a viral IL-10 (vIL-10) homologue expressed during the latent phase of infection by a virus of the herpesvirideae group. However, vIL-10 that is expressed during the latent phase of infection by a virus of the herpesvirideae group was known at the priority date (see Jenkins, C. et al (2002), Z-G Zu et al (2001) and I Miyazaki et al (1993)). Therefore the claims lack unity a posteriori, and can be grouped as follows:

- Group 1: Claims 1 to 10, and 26. Nucleic acids, encoded peptides, and vectors/host cells containing vIL-10 that is expressed during the latent phase of viral infection of the herpesvirideae group.
- Group 2: Claims 11 to 18, 21 to 29. Ligands and methods of detecting ligands of vIL-10 that is expressed during the latent phase of viral infection of the herpesvirideae group.
- Group 3: Claims 19 to 21, 28 to 38, 52, and 53: methods of diagnosing/screening for disease using vIL-10 that is expressed during the latent phase of viral infection of the herpesvirideae group.
- Group 4: Claims 25, 39, and 41 to 45: methods of treatment using vIL-10 that is expressed during the latent phase of viral infection of the herpesvirideae group.
- Group 5: Claims 46 to 48, and 51: methods of cleansing biological samples using vIL-10 that is expressed during the latent phase of viral infection of the herpesvirideae group.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/AU2004/001675

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Family Member			•	t Document Cited in Search Report		
			73461/00	AU	0116153	WO
· · · <del>- · · ·</del>	6692954	US	1356062	EP	02057437	WO
	6692954	US	1356062	EP	02057437	WO

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX